Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Modified Estimates for BBMP Assets Fencing of Vacant BBMP Land (Including Parks Play Grounds and Gardens) ward no 7

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	For Fencing								
	Park-1	1	482.00	0.70	0.80	269.92			
	Park-2	1	142.00	0.70	0.80	79.52			
	Park-3	1	48.00	0.70	0.80	26.88			
	Compound Wall, Mn Rd	1	91.40	0.70	1.00	63.98			
						440.30	**Cum**		
			Upto 125%			**396.00**	**Cum**	**394.42**	**156190.32**
			Above 125%			**44.30**	**Cum**	**394.42**	**17472.81**
	Approved rate	394.42							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Fencing								
	Park-1	1	462.00	0.70	0.15	48.51			
	Park-2	1	140.00	0.70	0.15	14.70			
	Park-3	1	48.00	0.70	0.15	5.04			
	Compound Wall, Mn Rd	1	91.60	0.70	0.20	12.82			
						81.07	**Cum**	**5421.90**	**439575.12**
	Approved rate	5421.90							
3	KSRB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
	For Fencing								
	Park-1	1	482.00	0.60	0.55	159.06			
	Park-2	1	142.00	0.60	0.55	46.86			
	Park-3	1	48.00	0.60	0.60	17.28			
	Compound Wall, Mn Rd	1	91.40	0.60	1.00	54.84			
	2nd step								
	Park-1	1	482.00	0.45	0.40	86.76			
	Park-2	1	142.00	0.45	0.40	25.56			
	Park-3	1	48.00	0.45	0.40	8.64			
	Compound Wall, Mn Rd	1	91.40	0.45	0.55	22.62			
						421.62	**Cum**		
			Upto 125%			**381.00**	**Cum**	**4871.76**	**1856140.56**

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			Above 125%			40.62	Cum	4871.76	197898.20
	Approved rate	4871.76							
	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Coping								
	Park-1	1	482.00	0.40	0.10	19.28			
	Park-2	1	142.00	0.40	0.10	5.68			
	Park-3	1	48.00	0.40	0.10	1.92			
	Compound Wall, Mn Rd	1	91.40	0.45	0.10	4.11			
	Compound Wall coping	1	91.40	0.15	0.10	1.37			
						32.36	Cum	5747.32	186006.26
	Approved rate	5747.32							
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of **Design Mix M20** with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. (P.No-14,I No-4.11)								
	Compound								
	Foundation	2	0.60	0.60	0.90	0.65			
	Column	2	0.35	0.25	2.00	0.35			
	Compound Wall, Mn Rd	1	91.40	0.45	0.10	4.11			
						5.11	Cum	5998.54	30658.54
	Approved rate	5998.54							
6	KSRB 4.9.2 : Providing **T.M.T steel** reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (P.No-18,I No-4.46.2)								
	Compound								
	Steel, 100kg per cum	5.11			0.10	0.51			
						0.51	Ton	75223.96	38446.97
	Approved rate	75223.96							
7	KSRB 5-14: Providing and constructing load bearing wall with **solid concrete blocks** having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 (P.No-14,I No-5.26.2), 400x150x200mm								
	Compound								
	Column	1	91.40		1.68	153.55			
						153.55	Sqm	979.44	150394.97
	Approved rate	979.44							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	KSRB 15-15.3 : Providing **15mm thick cement plaster** in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. (P.No-14,I No-15.13)								
	Compound								
	Column	2	91.40		1.87	341.84			
						341.84	**Sqm**	**234.26**	**80078.50**
	Approved rate	234.26							
9	KSRB 15-15.1 : Providing and **applying painting** in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications with primer. (P.No-119,I No-15.51.2)								
	Compound								
	Column	2	91.40		1.87	341.84			
						341.84	**Sqm**	**110.40**	**37738.69**
	Approved rate	110.40							
10	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No-266,I No-37.2)								
	Fencing								
	Park-1	422.00	2.00			844.00			
	Park-2	68	1.75			119.00			
	Park-3	143	1.70			243.10			
						1206.10	**m**	**1183.64**	**1427588.20**
	Approved rate	1183.64							
11	**Providing chain link fencing 50mm size** of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No-266,I No-37.3)								
	Fencing								
	Park-1	1	855.00		2.20	1881.00			
	Park-2	1	425.00		2.30	977.50			
	Park-3	1	340.00		2.00	680.00			
						3538.50	**Sqm**	**742.90**	**2628751.65**
	Approved rate	742.90							
12	**Providing and fixing M.S. Block pipe of 38mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint(P.No-266,I No-37.4)								
	Fencing								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	rk-1	3	840.00			2520.00			
	ark-2	3	253.50			760.50			
	Park-3	3	349.50			1048.50			
						4329.00	**m**	**432.48**	**1872205.92**
	Approved rate	432.48							
13	KSRB 15-18.3 : **Providing and applying enamel metal paint** one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.No-45,I No-15.75)								
	13th main	1	61.00		1.80	109.80			
						109.80	**Sqm**	**64.66**	**7099.67**
	Approved rate	64.66							
14	Providing and fixing **M.S. Gate** as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (P.No-45,I No-7.37)								
	Gate								
		1	3.60		2.50	9.00			
						9.00	**Sqm**	**3192.72**	**28734.48**
	Approved rate	3192.72							
								Total Construction Cost	**9154980.86**
								Utility Shifting, Miscellaneous, Rounding off	**124920.76**
								GRAND TOTAL	**9279901.62**

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Project Division
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division
BBMP Bangalore

Technical Sanction
Accorded For Rs 9279901.62
Head of A/C P.0290
CER NO: GSA Dt: 13.01.2021

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